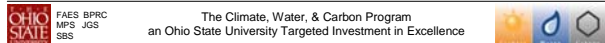


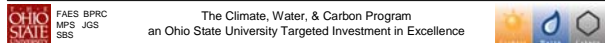
Welcome!

The Climate, Water, and Carbon Program
Informational Meeting
March 10, 2008



Today's Agenda

- **Opening comments:** *Dean Matt Platz*
- **What is the CWC?** *Doug Alsdorf*
 - OSU goals and CWC Science & Policy goals
 - Structure and budget
 - Brief presentations
 - Core Projects: *Rattan Lal, Ellen Mosley-Thompson*
 - Seed Grants: *Andy Keeler*
- **Funding opportunities:** *Doug Alsdorf*
 - New core projects
 - New seed grants
- **Questions and Answers:** *Moderator Doug Alsdorf*
- **Closing thoughts:** *OARDC Director Steve Slack*



TIEs and OAA Goals

- "These targeted areas of excellence will include academic programs in colleges, departments and centers where Ohio State has an opportunity to **achieve worldwide recognition in existing and emerging fields of significance.**" [OAA, September 2005]
- "Implementation of the plans will significantly advance the goals of the Academic Plan and foster excellence among the highest-priority programs **within and across the colleges**, and the success of the plans will undoubtedly contribute to **our overarching goal of becoming one of the world's top public research and teaching universities.**" [Provost's memo, June 2006]
- "... main assessment criteria of **excellence, impact, and viability** of the plan ...". [Provost's memo, June 2006]
- "The TIEs are intended to stimulate scholarship and knowledge generation that **make a significant impact on major societal and global issues** and also enhance the University's reputation and prestige." [Provost's memo to PPAC, June 2007]

The Columbus Dispatch
www.dispatch.com

OSU to take aim at global troubles
...\$11 million from the central fund, plus money from several colleges will go to form the Climate, Water and Carbon Program ... to determine whether human activity alters the climate so that weather changes are more frequent and intense, whether the world has enough freshwater to sustain human life, and how to fix any damage humans have done to Earth's natural carbon cycle."

EDITORIALS
Watershed moment

EDITORIALS
Swing for the fences

GLOBAL TRENDS

Just one example of TIE visibility

"...\$11 million from the central fund, plus money from several colleges will go to form the Climate, Water and Carbon Program ... to determine whether human activity alters the climate so that weather changes are more frequent and intense, whether the world has enough freshwater to sustain human life, and how to fix any damage humans have done to Earth's natural carbon cycle."

Goals of the CWC

- **Scientific goals:** Address three core questions
 - (1) Does human intervention have the potential to push the climate system such that abrupt changes become more frequent, intense, and rapid?
 - (2) Do we have enough surface water to maintain society; what is the spatial-temporal variability?
 - (3) How is the carbon cycle being disrupted by human activities; how can it be re-balanced?
- **Policy goals:** the three questions are of great importance to society
 - Each of the science questions has a strong “human” component
 - What are the policy, economic, and implementation implications of the scientific findings?

The TIE in CWC

- A Targeted Investment in Excellence
- “**Targeted**” is accomplished by ensuring that all actions are focused on the three founding questions.
- “**Investment**” is accomplished by ensuring that every OAA dollar spent leads to more dollars and hence to a program that is vibrant after the 5-year OAA investment period.
- “**Excellence**” is recognition of the past successes of those participating in the CWC, with the expectation of future excellence.

Goals of the CWC

- **CWC goals:**
 - Excellence and impact while directly addressing the founding three questions
- **OSU goals of the CWC:**
 - “Integrating Ideas, Tasks, Working Groups” [PPAC review of CWC, September 2007]
 - Connect across other core projects, with other TIEs, and across colleges and departments
- **The CWC today and the CWC long-term:**
 - How does the CWC develop longevity?
 - Today = internal funding base
 - 5+ years = all external funding
 - Transition plan

Core Projects and Seed Grants

- **Designed to meet all three goals:**
 - Core projects and seed grants directly address one of the founding three questions
 - They integrate across colleges, tasks, and research teams
 - They create products and deliverables that are of value
- **Four sources of external funds:**
 - Federal and state agencies – we know how to do this
 - Philanthropy, Foundations, and Industry – we look forward to further building of strong ties with this
- **Partnerships and the CWC Plan:**
 - We start with OSU and the CWC positioning as a top-ranked TIE
 - Work with OSU Development, Office of Research, Deans offices, etc.
 - Build a comprehensive CWC Plan that integrates products and deliverables from all CWC projects.

Budgets

- **OAA Funds:**
 - Cash: \$11.35M Annual Rate: \$510K
- **College Matches:**
 - Annual Rate for 5 FTEs: 2 FAES, 2 MPS, 1 SBS
- **Three founding core projects:**
 - Total: \$5.3M
 - Reviewed during TIE OAA process
 - (1) Managing Carbon in Terrestrial Ecosystems: \$2.2M
 - (2) Low Latitude Glacier Retreat, ACC, Water: \$2.0M
 - (3) Satellite Hydrology, Amazon and Congo: \$1.1M

Budgets

- **Funds Available:**
 - Total: \$11.35 – \$5.3M – \$0.5M =
 - Seminars, Operations, etc. = \$0.5M
 - **\$5.5M for additional contributions**
- **Additional Contributions**
 - Start-up for new FTEs = \$0.85M
 - First Year Seed-Grants = \$0.65M
 - Total available today = **\$4.0M**
- **Transparency of Budgets:**
 - Budgets will be posted on CWC web page, behind a login

Brief Presentations

- **Core Project: *Rattan Lal***
 - Managing Carbon in Terrestrial Ecosystems (M-CITE)
- **Core Project: *Ellen Mosley-Thompson***
 - Low-latitude glacier retreat: Evidence of accelerating climate change and impacts on local to regional water resources (LLGR-ACC & WR)
- **Seed Grant: *Andy Keeler***



FAES BPRC
MPS JGS
SBS

The Climate, Water, & Carbon Program
an Ohio State University Targeted Investment in Excellence



New Core Projects & Seed Grants

- **Leadership is limited to OSU faculty:**
 - Work will be conducted by faculty, students, post-docs, researchers, etc.
- **Core Projects:**
 - Will further address the founding three questions
 - Provide opportunity for sustained growth of the CWC
 - Few restrictions on numbers of new projects or budgets
 - Expected new core projects:
 - Ohio river basin with an Ohio focus: Please join us for a Meeting March 12th 333 Kottman Hall, noon.
 - Ecosystems Incentives, see Brent Sohngen
- **Seed Grants:**
 - Opportunistic, responsive to researcher and CWC needs
 - “Restricted” to one year and about \$50K

Questions and Answers

- We welcome any and all questions
- Questions might include:
 - Are the core project and seed grant guidelines really just end-members or very specific, especially regarding budgets?
 - Are there any risks in the longevity of the CWC OAA funds?
 - How do CWC moneys differ from a grant?
 - How many new FTEs are related to the CWC?
 - I know a really good speaker, will the CWC sponsor this person's lecture?



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